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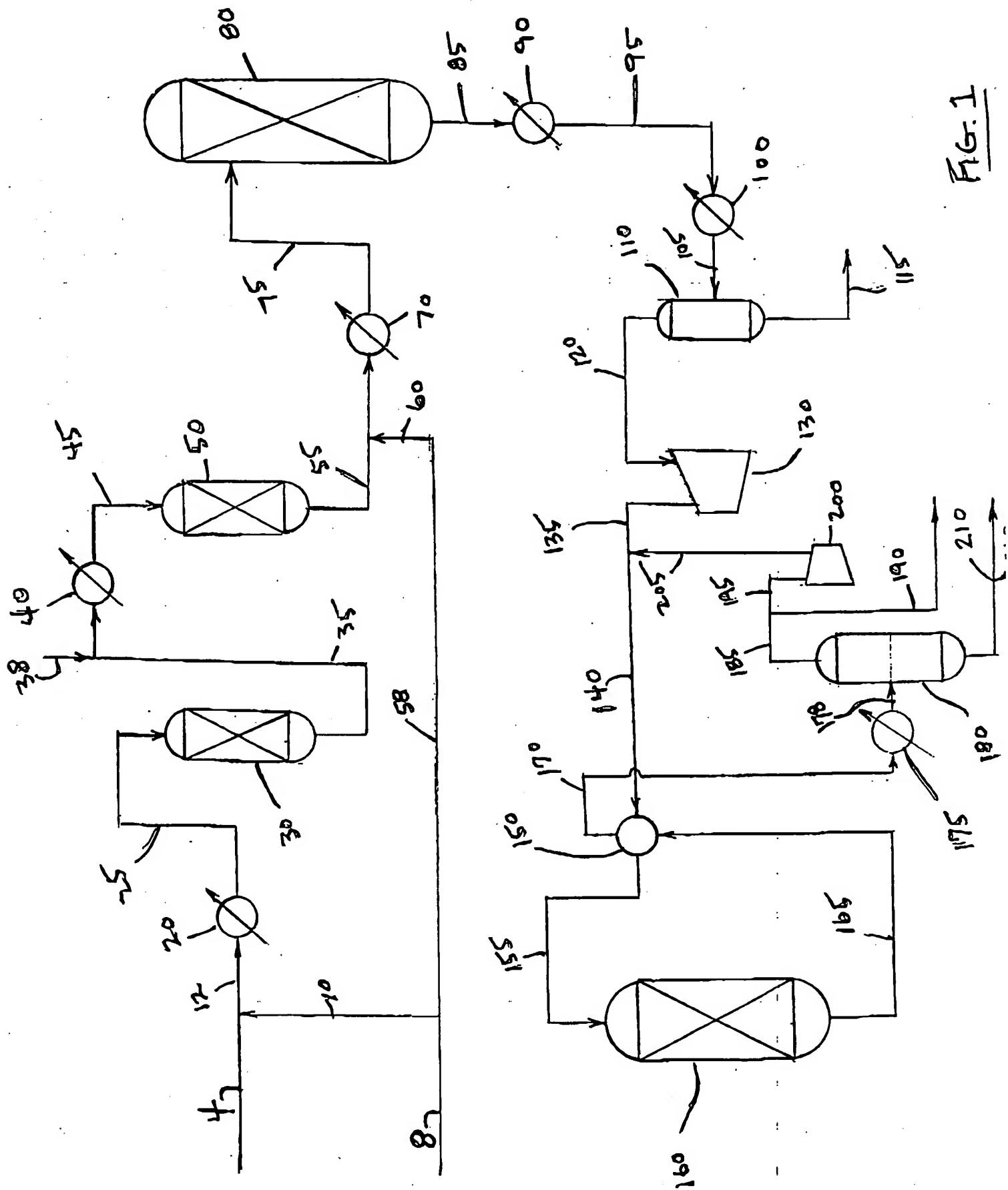


FIG. 1

**Liquid Phase Blend
Solids Formation - Concentration Limited**

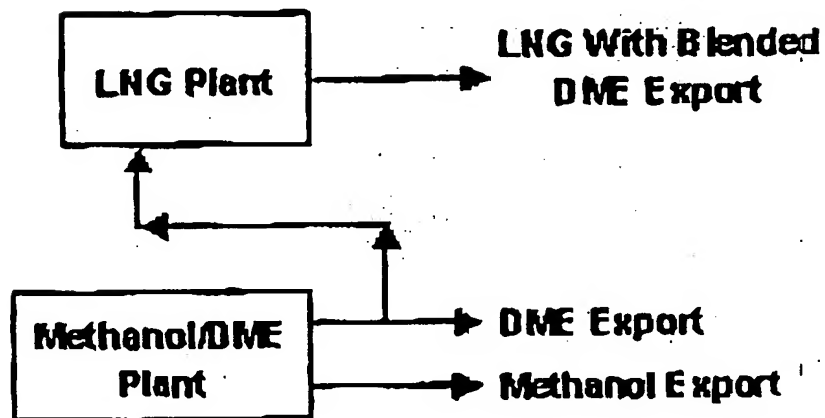


Fig. 2

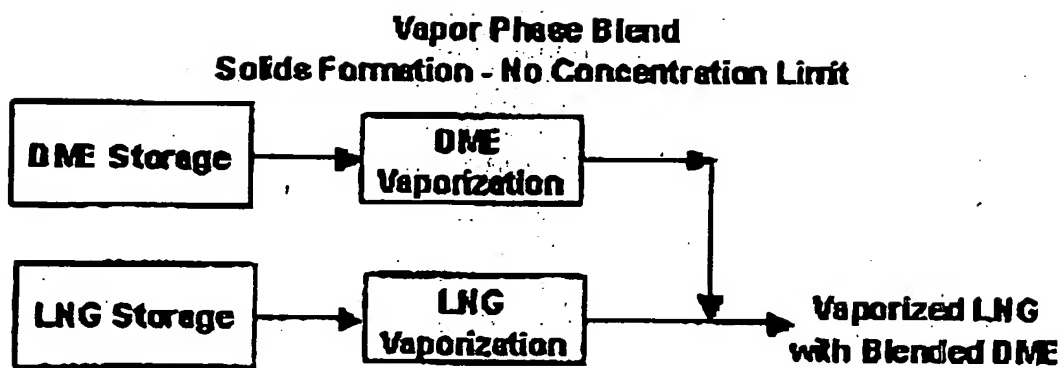
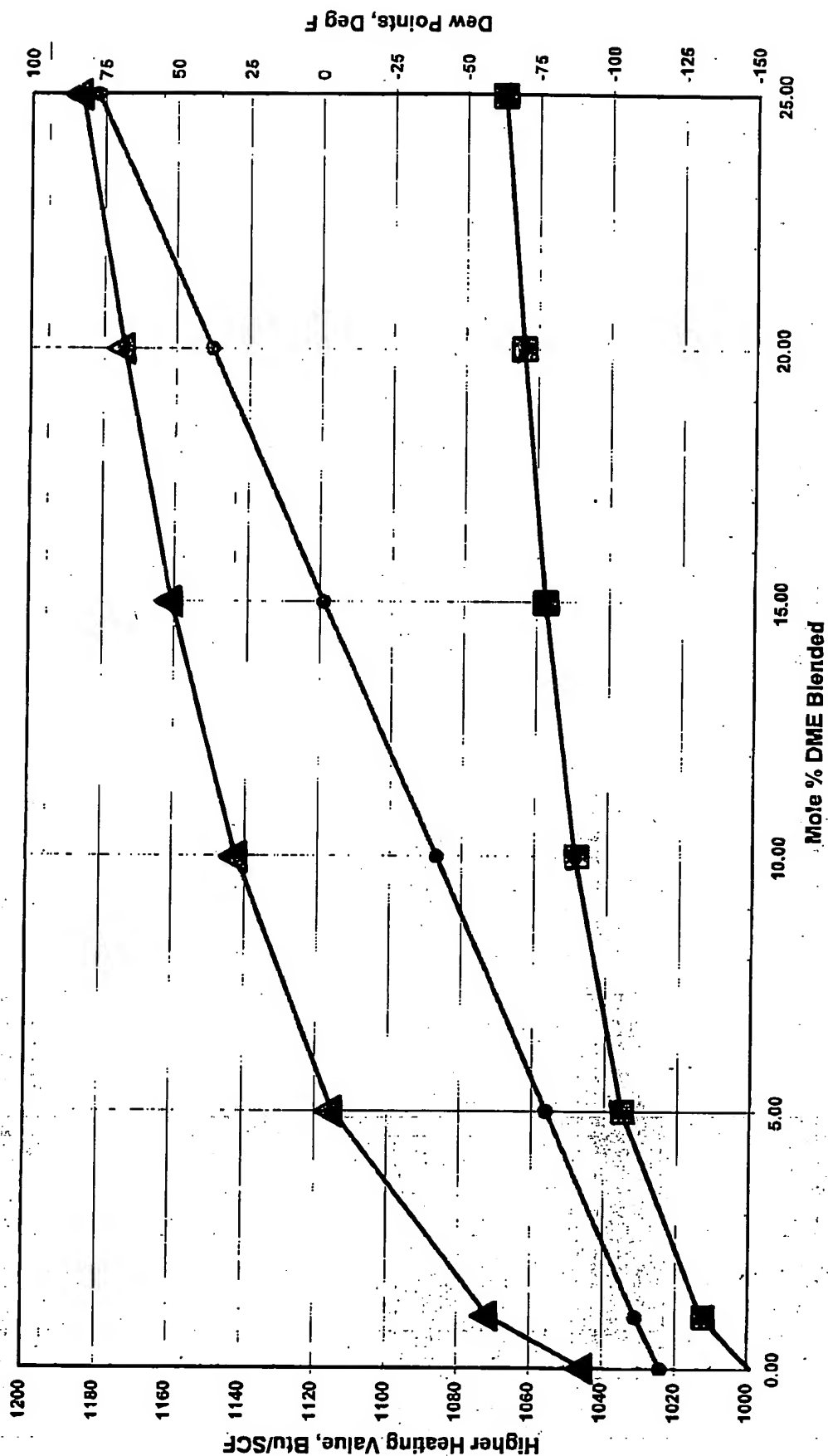


Fig. 3

		Blending Cases							
		A	Ex. 1	Ex. 2	B	C	Ex. 3	D	
Criteria		LNG	LNG+5% DME	LNG+5% DME	LNG+5% Propane	LNG+10% DME	LNG+10% Propane	LNG+10% Propane	
Higher Heating Value, Btu/SCF		1025	1056	1056	1100	1100	1088	1174	
Pressure [psia]		14.696	14.696	500	14.696	500	500	500	
Temperature [F]		-262	-262	60	-262	60	60	60	
Mixture Phase		Liquid	Liquid	Vapor	Liquid	Vapor	Vapor	Vapor	
Bubble Point Temperature [F]		-262	-262	-130	-262	-129	-127	-125	
Dew Point Temperature [F]		-151	-106	-7	-129	-33	27	-3	
Compositions									
Component		Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent	
Nitrogen		0.70%	0.67%	0.67%	0.67%	0.67%	0.63%	0.63%	
Methane		97.01%	92.16%	92.16%	92.16%	92.16%	87.30%	87.30%	
Ethane		1.80%	1.71%	1.71%	1.71%	1.71%	1.62%	1.62%	
Propane		0.34%	0.32%	0.32%	0.32%	0.32%	0.31%	0.31%	
i-Butane		0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	
n-Butane		0.08%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	
i-Pentane		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
n-Pentane		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
n-Hexane Plus		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Dimethylether (DME)		0.00%	5.00%	5.00%	0.00%	0.00%	10.00%	0.00%	
Molecular Weight		16.54	18.01	18.01	17.92	17.92	18.49	19.29	

Fig. 4

LNG-DME Blending HHV & HC Dew Points



● HHV, Btu/SCF ■ HC DP @ 14.7 psia ▲ HC DP @ 500 psia

Fig 5